

Corrui, J. P. and J. P. Jr.
Oological collection.

(1894)

QL
675
.N59
1894

vis, J.P.]
14

HARVARD UNIVERSITY.



LIBRARY

OF THE

MUSEUM OF COMPARATIVE ZOÖLOGY

54,186

BEQUEST OF

WILLIAM BREWSTER

May 12, 1920.

MAY 12 1890

Richard Brewster.

Q-5

54, 186

A
CATALOGUE
OF THE
ZOOLOGICAL COLLECTION
OF

LIBRARY
OF ZOOLOGY
CAMBRIDGE, MASS.

J. PARKER NORRIS AND J. PARKER NORRIS JR.

JANUARY 1, 1894

PHILADELPHIA
PRIVATELY PRINTED

1894

3

A
CATALOGUE
OF THE
OOLOGICAL COLLECTION

OF

J. PARKER NORRIS AND J. PARKER NORRIS JR.

JANUARY 1, 1894

PHILADELPHIA
PRIVATELY PRINTED

1894

Dec 10, 1897
649 species
5592 sets
22968 eggs

PREFACE.

This collection at the present date — January 1, 1894 — consists of 573 species, 5002 sets and 20,388 eggs. It was the desire of its owners to procure full and complete series rather than to obtain new species, hence the large number of sets in proportion to the number of species.

It is especially strong in series of Warblers, Hawks, and Owls, to which particular attention is invited. No effort has been made to obtain the eggs of the Water Birds as it is practically impossible to secure a good representation of them.

Ridgway's Nomenclature has been retained as far as possible, as the collection was already numbered and arranged in accordance with it long before the A. O. U. Nomenclature was published.

OOLOGICAL COLLECTION

OF

J. PARKER NORRIS, AND J. PARKER NORRIS JR.

JANUARY 1, 1894

- 1 Wood Thrush 2-2, 23-3, ⁴⁰⁻⁴~~39-4~~, 1-5
2 Wilson's Thrush 2-3, ~~6-4~~ ⁷⁻⁴
4 Russet backed Thrush 2-3, ⁸⁻⁴~~7-4~~
4a Olive backed Thrush 10-3, 13-4
5a Rocky Mountain Hermit Thrush 1-3, 1-4
5b Hermit Thrush 3-3, 2-4
6 Red-wing Thrush 1-4, 1-6
7 American Robin 8-3, ⁵⁴⁻⁴~~52-4~~, 3-5, 1-7
7a Western Robin 4-4
5 Dwarf Thrush 1-4
8 St. Lucas Robin 1-3

- 10 Sage Thrasher 2-3, 7-4, 2-5
- 11 Mockingbird 5-3, 21-4, 14-5, 1-6
- 12 Catbird ^{5-3 57-4 10-5}
~~6-3, 55-4, 8-5~~
- 13 Brown Thrasher ^{34-3 50-4 13-5}
1-2, ~~33-3, 47-4, 11-5~~
- 13a Mexican Brown Thrasher 5-3, 22-4, 1-5
- 14a Bendire's Thrasher ^{26-3 11-4 2-5}
3-2, ~~18-3, 9-4~~
- 15 Curve-bill Thrasher 10-3, 38-4, 4-5
- 15a Palmer's Thrasher 1-2, 15-3, 5-4
- 16 Californian Thrasher 10-3, 4-4
- 16a Leconte's Thrasher 1-4
- 17 Rufous-vented Thrasher 2-3
- 19 American Water Ouzel 1-3, 1-4, 1-5
- 20 Blue-throated Warbler 1-7
- 21 Wheatear 1-4
- 22 Bluebird ¹²⁻⁵
1-3, 7-4, ~~10-5~~, 6-6
- 23 Californian Bluebird 2-5
- 24 Rocky Mountain Bluebird 2-6
- 14 St. Lucas Thrasher 1-2

- 25 Townsend's Solitaire ²⁻⁴ ~~1-4~~
- 26 Black-crested Flycatcher 5-2, 2-3
- 27 Blue-gray Gnatcatcher 3-4, 17-5, 1-6
- 28 Plumbeous Gnatcatcher 1-4
- 29 Black-tailed Gnatcatcher 1-3, 1-4
- 30 Ruby-crowned Kinglet 1-7, ~~1-8~~
- 33 Golden-crowned Kinglet 1-5, 1-9
- 35 Ground Tit 1-4
- 35a Pallid Wren-Tit 1-4
- 36 Tufted Titmouse 2-4, 6-5, 8-6, 6-7
- 37 Black-crested Titmouse 3-5, 1-6, 1-7
- 38 Plain Titmouse 1-5, 1-8
- 40 Mountain Chickadee 2-6, 1-7, 1-8
- 41 Black-capped Chickadee 1-6, 8-7, 1-8
- 41a Long-tailed Chickadee 1-5, ~~1-6~~
- 41b Oregon Chickadee 2-6
- 42 Carolina Chickadee 1-4, 13-5, 5-6, 5-7, 1-8

- 42a Plumbeous Chickadee 1-5
- 45 Hudsonian Chickadee 1-4, 1-7
- 47 Least Tit 1-6
- 47a Californian Bush Tit 3-7
- 50 Yellow-headed Tit 3-4
- 51 White-bellied Nuthatch 2-5, 3-6, 2-7,
7-8, ~~1-9~~²⁻⁹
- 51a Slender-billed Nuthatch 1-6
- 52 Red-bellied Nuthatch 1-6, 1-7
- 53 Brown headed Nuthatch 22-5, 9-6
- 54 Pigmy Nuthatch ~~1-5, 1-6~~²⁻⁵, 3-7, 3-8, ~~1-9~~²⁻⁹
- 55 Brown Creeper 1-4, 1-5, 3-6, 1-8
- 56 Cactus Wren ~~1-4~~^{22-4 7-5}, ~~6-5~~, 1-6
- 58 Rock Wren 2-5, 2-6, 1-8
- 59a White-throated Wren 1-4, 2-5
- 60 Carolina Wren 12-4, 24-5, 3-6
- 60a ^{Lomita}~~Berlandier's~~ Wren 1-5

- 60b Florida Wren 2-4
- 61 Bewick's Wren 1-6
- 61a Californian Bewick's Wren 1-6
- 61b Texan Bewick's Wren 1-5, 2-7
- 63 House Wren ^{5-5 9-6 4-7} ~~4-5, 10-6, 6-7~~, 1-8
- 63a Western House Wren 1-8
- 63b Parkman's Wren 1-7
- 67 Long-billed Marsh Wren 4-4, 13-5, 4-6
2-7, 1-8, 1-9
- 67a Tule Wren 1-6
- 68 Short-billed Marsh Wren 1-6
- 69 White Wagtail 1-4, 1-5
- 70 Yellow Wagtail 1-4, 1-6
- 71 American Titlark 1-5
- 72 European Titlark 1-4, 1-5
- 74 Black-and-white Warbler 2-4, ¹³⁻⁵ ~~12-5~~
- 75 Prothonotary Warbler 3-4, 21-5, 34-6, 15-7, 2-8
- 73 *Sprague's Pipit* 1-5

- 76 Swainson's Warbler 8-3, 2-4, 1-5
- 77 Worm-eating Warbler ^{3-3, 2-4, 5-5, 6-4} ~~2-3, 6-4, 10-5, 3-6~~
- 79 Blue-winged Yellow Warbler ^{5-3, 12-4, 16-5, 1-6} ~~4-3, 3-4, 4-5~~
- 81 Golden-winged Warbler ⁶⁻⁵ 4-4, ~~5-5~~
- 83 Lucy's Warbler ^{1-2, 4-3} ~~1-3~~
- 85 Nashville Warbler 1-3, 5-4, 1-5
- 86a Lutescent Warbler 1-3, 2-4, 1-5
- 88 ^{northern} ~~a~~ Parula Warbler ^{8-3, 21-4} 2-2, ~~9-3, 22-4~~,
¹²⁻⁵ ~~14-5~~, 3-7
- 93 Yellow Warbler 16-3, 50-4, 28-5
- 94 Black-throated Blue Warbler ¹⁻³ ~~5-3, 3-4~~
- 95 Yellow-rump Warbler 3-3, 2-4, 2-5
- 96 Audubon's Warbler 1-3, 2-4, 1-5
- 97 Black-and-yellow Warbler ⁵⁸⁻⁴ 3-3, ~~54-4~~, 1-5
- 98 Cerulean Warbler 1-4, 1-5
- 99 Chesnut-sided Warbler 4-3, 31-4, 2-5
- 100 Bay-breasted Warbler 1-6
- 85a *Calaveras Warbler* 1-5
- 88 *Parula Warbler* 1-4, 2-5
- 94a *Cairn's Warbler* 4-3, 3-4

- 101 Black-poll Warbler 1-3, 6-4, ~~11-5~~ ¹²⁻⁵
- 102 Blackburnian Warbler 3-4, 1-5
- 103 Yellow-throated Warbler 1-3, ~~2-4~~ ⁵⁻⁴, 1-5
- 104 Grace's Warbler 1-3
- 105 Black-throated Gray Warbler ~~2-4~~ ³⁻⁴
- 106 Golden-cheeked Warbler ~~7-4~~ ^{2-5 15-4}
- 107 Black-throated Green Warbler 11-4
- 111 Pine-creeping Warbler 18-4, 2-5
- 113a Yellow Red-poll Warbler 1-4, 1-5
- 114 Prairie Warbler 9-3, 39-4, 4-5
- 115 Golden-crowned Thrush 1-2, ~~12-3~~ ^{14-3 37-4}, ~~32-4~~,
⁵²⁻⁵
~~46-5~~, 1-6
- 116 Small-billed Water Thrush 2-4
- 117 Large-billed Water Thrush 2-4, ~~9-5~~ ¹²⁻⁵, 1-6
- 119 Kentucky Warbler ~~3-2, 9-3, 48-4, 57-5~~ ^{5-2, 18-3, 82-4, 103-5, 1-6}
- 121 Macgillivray's Warbler 1-3, ~~2-4~~
- 122 Maryland Yellow-throat ~~3-3, 25-4, 4-5~~ ^{1-2 5-3 35-4 5-5}
- 120 Mourning Warbler 1-4

- 122a Western Yellow-throat ¹⁻⁴ ~~5-4~~, 1-5
 123 Yellow-breast Chat 1-2, ³⁷⁻³ ~~32-3~~, ¹⁰¹⁻⁴ ~~98-4~~, 2-5
 123a Long-tailed Chat 1-3, 6-4, ¹⁻⁵
 124 Hooded Warbler 6-3, 18-4
 125 Wilson's Warbler 3-5, 4-6
 125a Pileolated Warbler 1-3, ⁷⁻⁴ ~~2-4~~, ³⁻⁵
 127 Canadian Flycatching Warbler 1-5
 128 American Redstart ⁶⁻³ ~~5-3~~, ²⁶⁻⁴ ~~24-4~~, 1-5
 135 Red-eyed Vireo 1-1, 8-2, ²⁶⁻³ ~~20-3~~, ²²⁻⁴ ~~22-4~~
 139 Warbling Vireo 1-3, 2-4,
 139a Western Warbling Vireo 1-3, 1-4
 140 Yellow-throated Vireo 1-3, 2-4
 141 Blue-headed Vireo 2-4
 141a Cassin's Vireo 1-3, 2-4,
 141b Plumbeous Vireo 1-4
 141c Mountain Solitary Vireo 1-3, 1-4
 142 Black-capped Vireo 1-3, 2-4
 122b Florida Yellow Throat 2-3
 122x Belding's Yellow Throat 1-4
 - Mirador Yellow Throat 1-4
 129 Painted Redstart 1-3, 1-4
 131 Red-faced Warbler 1-4
 138 Philadelphia Vireo n/4

143 White-eyed Vireo 1-3, 7-4

143a Key-West Vireo 1-3

145 Bell's Vireo 3-4

146 Least Vireo 1-4

147 Gray Vireo 1-4

149 Loggerhead Shrike 4-5, 1-6

149a White-rumped Shrike 1-3, 4-4, 4-5

3-6, 2-7

149b Californian Shrike 5-4, 5-5, 2-6, 1-7

150 Northern Wax-wing 1-3

151 Cedar Wax-wing 3-4, 5-5

152 Purple Martin 2-4, 1-5 1-6

153 Cliff Swallow ⁷⁻⁴
~~4-4~~ 14-5

154 Barn Swallow ^{17-4 22-5}
2-3, ~~8-4~~, 14-5, 1-6

155 White-bellied Swallow 1-5, 2-6

156 Violet-green Swallow 1-5

157 Bank Swallow 1-4, ⁵⁻⁵
~~3-5~~ 1-6

144 *Swainson's Vireo* 2-

- 158 Rough-winged Swallow ⁴⁻⁵ ~~3-5~~, 1-6
 161 Scarlet Tanager ¹¹⁻³ 3-2, ~~10-3~~, 13-4
 162 Western Tanager ²⁻⁴ 1-3, ~~1-4~~
 164 Summer Redbird 2-3, 9-4
 English Sparrow ¹⁸⁻⁶ 11-4, 37-5, ~~16-6~~
 ⁵⁻⁷ ~~4-7~~, 1-8, 1-9
 European Tree Sparrow 1-3, 2-43, -5
 168 Purple Finch 6-4, 1-5
 168a Californian Purple Finch 1-4
 169 Cassin's Purple Finch 1-4
 170 House Finch 1-4, 6-5
~~173 White-winged Crossbill 1-4~~
 179 Common Redpoll 1-6
 181 American Goldfinch ⁸⁻⁵ 3-4, ~~6-5~~, 8-6
 182 Green-back Goldfinch 1-4
 183 Lawrence's Goldfinch 1-3, 1-4
 185 Pine Finch 1-3, 1-4
 ¹⁶⁶ *Pine Grosbeak* 1-3, 1-4
 174 *Alsatian Leucosticte* 1-5
 182a *Arizona Goldfinch* 1-4

- 186 Snow Bunting 1-4
 187 Lapland's Longspur 1-6, 1-5
 189 Chestnut-collared Longspur 2-3, 5-4, 1-5
 190 McCown's Longspur 1-3
 193a Savannah Sparrow 8-4, 6-5
 193b Western Savannah Sparrow 2-3, 4-4, 4-5
 197 Grass Finch ^{5-3 18-4} 3-3, 17-4, 1-5
 197a Western Grass Finch 3-4
 198 Yellow-winged Sparrow ⁵⁻⁵ 1-3, 4-4, 4-5
 198a Western Yellow-winged Sparrow 1-4
 199 Henslow's Sparrow 1-4
 201 Sharp-tailed Finch 1-4
 202 Sea-side Finch 4-4
 204 Lark Finch 3-4, 4-5
 204a Western Lark Finch 1-3- 1-4, 11-5
 206 White-crowned Sparrow 1-3, 1-4
 207 Gambel's White-crowned Sparrow 2-4, 1-5
 191 Baird's Sparrow 1-4
 193 Sandwich Sparrow 1-5
 202b Texan Sea-side Finch 1-4
 202c Louisiana Seaside Finch 1-5
 203 Dusky Sea-side Finch 1-5

- 209 White-throated Sparrow ^{2-3 11-4}
~~1-3, 12-4~~, 3-5
- 211 Chipping Sparrow ³⁴⁻³
 3-2, ~~32-3~~, 23-4, 1-7
- 211a Western Chipping Sparrow 1-3, 1-4
- 212 Clay-colored Sparrow 1-2, 1-4
- 213 Brewer's Sparrow 3-3, 2-4
- 214 Field Sparrow ^{37-3 97-4}
 1-2, ~~35-3~~, ~~94-4~~, 4-5
- 215 Black-chinned Sparrow 1-3, ¹⁻⁴
- 217 Black Snowbird 3-3, 14-4, 5-5
- 217a Carolina Snowbird 1-4
- 218 Oregon Snowbird 1-2, 2-3-1-4
- 220 Gray-headed Snowbird 1-4
- 224 Black-throated Sparrow 1-2, 1-4
- 225 Bell's Sparrow 1-3, ²⁻⁴
- 229 Rufous-winged Sparrow 1-3
- 230b Rock Sparrow 2-4
- 231 Song Sparrow ^{49-4 33-5}
 8-3, ~~45-4~~, ~~30-5~~, 1-6
- 231a Mountain Song Sparrow 1-4
- 217c *Thurber's Junco* 1-4
- 221 *Red-backed Junco* 1-4

231b Heerman's Song Sparrow 2-3, 2-4

231c Californian Song Sparrow 3-4, 1-5

231d Rusty Song Sparrow 2-4

231f Desert Song Sparrow ²⁻⁴
~~1-4~~

233 Swamp Sparrow ⁹⁻⁴
~~8-4~~, 2-5

234 Lincoln's Finch 1-3, 1-4

235c Slate-colored Sparrow 1-3

236 Texas Sparrow 2-4

237 Towhee 8-3, ²⁴⁻⁴
~~23-4~~, 2-5

237a Florida Towhee 1-2, 2-3, 1-4

238a Spurred Towhee 1-4

238b Oregon Towhee 1-4

239 Green-tailed Towhee 1-4

240 Canon Towhee 1-3

240b California Brown Towhee 6-4

241 Abert's Towhee 2-4

242 Cardinal Grosbeak 1-2, ⁴⁷⁻³ ²⁵⁻⁴
~~47-3~~, 26-4

232 Aleutian Song Sparrow 1-4

235b Thick-billed Sparrow 1-3

- 242b Gray-tailed Cardinal 1-4
- 243 Texan Cardinal 2-4
- 244 Rose-breasted Grosbeak 1-3, ⁷⁻¹¹~~5-4~~, 1-5
- 245 Black-headed Grosbeak ^{3-3 5-4}~~2-3, 3-4~~
- 246 Blue Grosbeak 2-3, 1-4
- 246a Western Blue Grosbeak 1-4
- 248 Indigo Bunting 1-2, ^{18-3, 16-4}~~14-3, 13-4~~, 1-5
- 249 Lazuli Bunting 1-3, 1-4
- 251 Painted Bunting 4-3, 8-4
- 252 ^{Sharpe's}~~Morelet's~~ Seedeater 1-3
- 253 Black-faced Seedeater 1-2, 1-3
- 254 Black-throated Bunting ^{1-3, 9-4, 4-5}~~4-3, 8-4~~
- 256 Lark Bunting 1-4
- 257 Bobolink 6-4, ^{17-5 12-6}~~16-5, 13-6~~, 5-7
- 257a Western Bobolink 2-3, 2-4, 1-5, 1-6
- 258 Cowbird ⁴⁸⁻¹~~46-1~~ Also ²³²~~168~~ with various sets
- 258a Dwarf Cowbird ~~9-1~~ ¹⁰⁻¹

- 259 Bronzed Cowbird 5-1
- 260 Yellow-headed Blackbird 1-3, 14-4, 3-5
- 261 Red-and-buff shouldered Blackbird 2-2,
~~39-3~~ ~~42-4~~
~~37-3~~ ~~45-4~~ 6-5
- 261a Red-and-black shouldered Blackbird 4-3,
 6-4
- 261b Bahaman Redwing 1-4
- 262 Red-and-white shouldered Blackbird 1-3,
 8-4
- 263 Meadow Lark 1-2, 1-3, ~~10-4~~ ¹¹⁻⁴, 7-5, ~~1-6~~ ¹⁻⁷
- 264 Western Meadow Lark 1-3, 2-4, 5-5, 3-6
- 266 Audubon's Oriole 1-5
- 269 Hooded Oriole 1-4, 1-5
- 269a Arizona Hooded Oriole 1-2, 4-4, 1-7
- 270 Orchard Oriole ~~1-3~~ ²⁻³, ~~3-4~~ ⁵⁻⁴, ~~8-5~~ ¹¹⁻⁵, 3-6
- 271 Baltimore Oriole 1-3, 6-4, 1-5, 1-6
- 272 Bullock's Oriole 4-4, 8-5, 1-6
- 263a Mexican Meadow Lark 3-3, 3-4, 5-5
- 268 Scott's Oriole 1-4

- 273 Rusty Blackbird 1-4
- 274 Brewer's Blackbird 2-4, 8-5, ~~4-6~~
- 275 Great-tailed Grackle 15-4, 5-5
- 277 Boat-tailed Grackle 9-4
- 278 Purple Grackle ^{25-4 31-5 13-6} ~~20-4, 30-5, 14-6~~, 1-7
- 278a Florida Grackle 2-3
- 278b Bronzed Grackle 1-4, 2-5, 1-7
- 280 Mexican Raven 1-4, ¹⁻⁵
- 280a Northern Raven 2-5
- 281 White-necked Raven 1-5
- 282 Common Crow 2-3, 8-4, 27-5, 6-6, 1-7
- 283 Fish Crow 1-3, 1-5
- 285 Pinon Jay 1-6, ¹⁻⁵
- 286 Black-billed Magpie 3-5, 8-6, 5-7, 4-8, 2-9
- 287 Yellow-billed Magpie 1-7
- 289 Blue Jay 3-3, ¹⁰⁻⁴ ~~9-4~~, 21-5
- 289a Florida Blue Jay 1-5
- 279 European Starling $\frac{3}{4}$ $\frac{8}{5}$ $\frac{2}{6}$
- 288 Brown Jay $\frac{1}{6}$

- 290 Stellar's Jay 1-4
- 290a Blue-fronted Jay ²⁻³~~1-3~~
- 290c Long-crested Jay 1-4
- 291 Florida Jay 1-4
- 292 Woodhouse's Jay 1-5
- 293 California Jay 6-4, 3-5
- 295 Arizona Jay 1-5
- 296 Green Jay 1-5
- 299 Sky Lark 1-4
- 300b Prairie Horned Lark 4-3, 3-4
- 300c Desert Horned Lark 2-3
- 300d Texan Horned Lark 1-3
- 300f Ruddy Horned Lark 1-3
- 300g ^{Desert}~~Streaked~~ Horned Lark 1-4
- 301 Scissor-tailed Flycatcher 4-4, 15-5, 3-6
- 303 Gray Kingbird 1-4
- 304 Kingbird ; Bee Martin 1-2, 15-3, ²¹⁻⁴~~20-4~~
- 300 a Pallid Horned Lark 1-3

- 306 Western Kingbird 3-3, 6-4, 7-5
- 307 Cassin's Kingbird 6-4, 5-5
- 311 Mexican Great Crested Flycatcher 1-5
- 312 Great Crested Flycatcher 2-4, ~~18-5~~²⁰⁻⁵, 11-6
- 313 Ash-throated Flycatcher 3-4
- 315 Pewee 7-4, ~~10-5~~¹¹⁻⁵, 1-6, 1-7
- 316 Say's Pewee 2-5
- 316 Black Pewee 2-4, 2-5
- 318 Olive-sided Flycatcher ~~3-3~~⁴⁻³
- 319 Coues' Flycatcher 1-3, ~~1-4~~²⁻⁴
- 320 Wood Pewee 2-2, ~~25-3~~³⁰⁻³, 3-4
- 321 Western Wood Pewee ~~4-3~~⁵⁻³
- 322 Yellow-bellied Flycatcher 1-4
- 323 Western Yellow-bellied Flycatcher 2-3, 3-4
- 324 Acadian Flycatcher 2-1, 17-2, ~~27-3~~²⁹⁻³
- 325 Little Flycatcher 1-3, 2-4
- 325a Traill's Flycatcher 11-3, 8-4
- 308 Derby Flycatcher 4-4 1-5
- 327 Hammond's Flycatcher 1-4

- 326 Least Flycatcher 2-3, 5-4
- 330 Vermilion Flycatcher ¹⁵⁻³
~~7-3~~
- 335 Ruby-throated Hummingbird 12-2
- 336 Black-chinned Hummingbird 5-2
- 337 Costa's Hummingbird 2-2
- 338 Anna's Hummingbird 4-2
- 339 Broad-tailed Hummingbird ²⁻²
~~1-2~~
- 340 Rufous Hummingbird 2-2
- 341 Allen's Hummingbird 4-2
- 346 Buff-bellied Hummingbird 1-2
- 351 Chimney Swift 3-3, ^{13-4 2-5}
~~11-4 1-5~~
- 353 Chuck-will's-widow 9-2
- 354 Whip-poor-will 7-2
- 355 Poor-will ²⁻²
~~1-2~~
- 356 Parauque Goatsucker ⁴⁻²
~~3-2~~
- 357 Nighthawk ²²⁻²
~~21-2~~
- 357a Western Nighthawk 5-2

334 Rivoli Hummer *Rivoli Hummer*

- 357b Cuban Nighthawk 2-2
 358 Texan Nighthawk 13-2
 360 Hairy Woodpecker 1-3, 2-4, 1-5
 360b ^{Canyon} ~~Harris's~~ Woodpecker 2-4
 361 Downy Woodpecker 1-1, 3-4, 2-5
 361a Gairdner's Woodpecker 1-5
 363 Texan Sapsucker 1-4
 366 White-headed Woodpecker 1-3
 369 Yellow-bellied Woodpecker 1-7
 369a Red-naped Woodpecker 1-4
 369b Red-breasted Woodpecker 1-4, 1-5
 370 Black-breasted Woodpecker 1-5
 371 Pileated Woodpecker 1-5
 372 Red-bellied Woodpecker 1-4, 2-5
 373 Golden-fronted Woodpecker 1-3, 1-4, 1-5
 374 Gila Woodpecker 2-3
 375 Red-headed Woodpecker 2-4, 2-5, ²⁻⁶ ~~1-6~~, 1-7
 362 Red-cockaded Woodpecker 1-5
 364 Nuttall's Woodpecker 1-5
 361b Southern Downy Woodpecker 1-4
 361c Batchelder's Woodpecker 1-4

- 376 Lewis's Woodpecker 1-5, 1-6
- 377 Californian Woodpecker 1-5
- 378 Yellow-shafted Flicker 4-5, ~~1-6~~, 6-7
3-8, ³⁻⁹~~2-9~~, 2-10, 1-11, 1-14
- 378b Red-shafted Flicker 1-5, 1-6, 1-7
- 378c Northwestern Flicker 1-7
- 379 Malherbe's Flicker 1-3
- 382 Belted Kingfisher 1-5, 4-7, ~~1-4~~
- 383 Texan Kingfisher 1-4
- 385 Road-runner 1-6, 1-9
- 386 Mangrove Cuckoo 1-3
- 387 Yellow-billed Cuckoo ⁹⁻²~~10-2~~, 4-3, 6-4, 1-6
- 387a Californian Cuckoo 1-3, ~~1-5~~
- 388 Black-billed Cuckoo 1-3, 3-4, 1-5, 1-6
- 390 Groove-billed Crotophaga 1-4
- 394 American Barn Owl 2-5, 1-6, 1-7, 1-10
- 395 American Long-eared Owl 1-4, 1-5, 3-6, 1-7
- 389 Ani 1-6

- 396 Short-eared Owl 1-4, 2-8
- 397 Barred Owl 1-1, 14-2, 12-3
- 397a Florida Barred Owl 2-2
- 398 Spotted Owl 1-2, 1-3
- 401 Saw-whet Owl 1-4
- 402 Little Screech Owl 3-4, 3-5, 4-6
- 402a Florida Screech Owl 2-3, 1-4
- 402b Texan Screech Owl 2-4
- 402c California Mottled Owl 1-4, 1-5
- 402e Rocky Mountain Screech Owl 1-4
- 405 Great Horned Owl 4-2, 5-3
- 405a Western Horned Owl 3-2, 1-3
- 405c Dusky Horned Owl 1-2
- 407a Hawk Owl 1-7
- 408 Burrowing Owl 1-6, 6-8, 4-10, 1-11
- 408a Florida Burrowing Owl 1-6
- 411 Whitney's Pigmy Owl 1-2, 3-3
- 399 Great Gray Owl 1-2
- 403 Mexican Screech Owl 1-4
- 407 Am. Hawk Owl 2-4
- 411 Ferruginous Pigmy Owl 1-4

412 White Gyr Falcon 1-3

412a Iceland Gyr Falcon 1-2

~~412b McFarlane's Gyr Falcon 1-2~~

413 Prairie Falcon ³⁻⁵ ~~1-2, 1-3, 2-5~~

414 Duck Hawk ^{1-2, 3-3, 2-4} ~~2-3, 1-4~~

416 European Merlin 2-4

417 Pigeon Hawk 2-4, ¹⁻⁵

420 Sparrow Hawk ^{5-4, 5-5} ~~1-3, 1-4, 1-6~~, 1-6

422 European Kestrel 3-5, 4-6

423 Caracara Eagle ^{10-2, 10-3} ~~9-2, 9-3~~

425 American Osprey ¹⁻¹ 3-2, 4-3, 1-4

426 Swallow-tailed Kite 1-2

427 White-tailed Kite ⁴⁻⁴ 1-3, ~~2-4~~, ¹⁻⁵

428 Mississippi Kite 2-2

429 Everglade Kite 1-2

430 Marsh Hawk 3-4, 3-5, 2-6, 1-7

431 Cooper's Hawk 3-2, 2-3, 1-4, 6-5, 1-6

418 Richardson's Merlin 1-4, 3-5

419 Aplomado Falcon 9-3, 3-4

420a Desert Sparrow Hawk 1-3, 9-4, 11-5

- 432 Sharp-shinned Hawk 6-3, 14-4, 3-5, 1-7
- 433 American Goshawk 1-2, 1-3
- 433a Western Goshawk 1-2, 1-3
- 434 Harris's Hawk 1-2, 6-3
- 435 European Buzzard 2-3, 2-4
- 436 Red-tailed Hawk ³²⁻²
~~31-2~~, 11-3, 3-4
- 436a Krider's Hawk 1-3, 1-4
- 436b Western Red-tailed Hawk ^{6-2 3-3}
~~4-2, 5-3~~
- 439 Red-shouldered Hawk 1-1, 18-2, 41-3,
23-4, 1-5
- 439a Red-bellied Hawk 1-2, 1-3
- 439b Florida Red-shouldered Hawk 3-2, 6-3
- 441 White-tailed Hawk 3-2
- 442 Swainson's Hawk 7-2, ⁷⁻³
~~4-3~~, 1-4
- 443 Broad-winged Hawk 13-2, 10-3, 1-4
- Rough-legged Hawk 1-2, 3-3, 2-4
- 447 American Rough-legged Hawk 1-2, 1-4, ¹⁻⁵
- 438 Barlow's Hawk 1-2
- 444 Mexican Black Hawk 1-2

- 448 Ferruginous Rough-legged Hawk 2-2, 5-4, 1-5
- 449 Golden Eagle ^{3-2 2-3} 6-2, 1-3
- 451 Bald Eagle 3-2
- 452 Gray Sea Eagle 1-2, 3-3
- 454 Turkey Buzzard 14-2
- 455 Black Vulture 13-2
- 457 Red-billed Pigeon 1-2
- 458 White-crowned Pigeon 1-2
- 459 Passenger Pigeon 1-1, 1-2
- 460 Mourning Dove ²⁶⁻² ~~23-2~~, 1-3
- 463 White-fronted Dove 2-2
- 464 White-winged Dove 3-2
- 465 Ground Dove 3-2
- 465a Mexican Ground Dove 1-2
- 467 Key West Dove 1-2
- 469 Chachalaca 1-4
- 470 Mexican Turkey 1-11
- 458 Band-tailed Pigeon 1-1
- 458 a Vio-cai Pigeon 2-1
- 466 Inca Dove 1-2
- 470 b Florida Wild Turkey 1-12

- 470a Wild Turkey ¹⁻¹² ~~2-12~~
- 471 Dusky Grouse 1-6, 1-9
- 471a Sooty Grouse 1-7
- 472 Canada Grouse 1-8, 1-13
- 473 Ruffed Grouse 2-10, 2-11, 1-13, 1-14
- 473b Oregon Ruffed Grouse 1-5, 1-8
- 473c Canadian Ruffed Grouse 1-7,
- 474 Willow Ptarmigan 1-6
- 475 Rock Ptarmigan 2-6
- 477 Prairie Hen 1-10, 2-13, 1-14, 1-15
- 479 Sage Cock 1-8, 1-10
- 480 Bob-white 1-12, 1-13, 1-14, 1-28
- 480a Florida Quail 1-10
- 480b Texan Quail 1-13, 1-19, 1-33
- 481 Mountain Quail 1-8
- 481a Plumed Quail 1-17

European Quail 1-8

Mongolian Pheasant 1-10

*478b Prairie Sharp-tailed
grouse 1-8, 1-13*

482 Californian Quail 1-11, 1-13, 1-17, 1-18

482a Valley Quail 1-12, 1-19

483 Gambel's Quail 1-21

484 Scaled Quail 1-9

484a Chestnut-bellied Scaled Quail 1-8,

1-10, 1-22

Ward's Heron 1-4

487 Great Blue Heron 1-3, 1-5

488 Common European Heron 1-5

489 American Egret 1-4

490 Snowy Heron 3-4

491 Reddish Egret 1-4

492 Louisiana Heron 2-4

493 Little Blue Heron 3-4

494 Green Heron 2-3, 1-4, 1-5

495 Black-crowned Night Heron 1-3, 1-5

496 White-crowned Night Heron 1-4

- 497 American Bittern 2-3, ~~1-4~~, ~~2-5~~
- 498 Least Bittern 7-4, 3-5
- 500 Wood Ibis 1-3
- 501 White Ibis 1-5
- 503 Glossy Ibis 1-4
- 504 White-faced Glossy Ibis 1-5
- 505 Roseate Spoonbill 1-3, 1-5
- 506 Oystercatcher 1-3
- 507 American Oystercatcher 1-2, 1-3
- 512 Lapwing 2-4
- 514 Golden Plover 1-4
- 515 American Golden Plover 1-3
- 516 Killdeer 1-3, ~~8-4~~ ⁹⁻⁴
- 518 Ringed Plover 1-3
- 519 Little Ringed Plover 1-4
- 520 Piping Plover 1-4
- 521 Snowy Plover 1-3

- 522 Wilson's Plover 2-2, 2-3, 1-4
- 523 Mountain Plover 1-3
- 525 American Woodcock 1-3, 5-4
- 526 English Snipe 2-4
- 526a Wilson's Snipe 1-3, 3-4
- 539 Dunlin 1-4
- 543 Marbled Godwit 1-2
- 546 Black-tailed Godwit 1-3
- 552 Willet 6-4, 1-7
- 554 Ruff 1-4
- 555 Bartram's Sandpiper ~~9-4~~ ¹⁰⁻⁴
- 557 Spotted Sandpiper 7-4
- 558 Long-billed Curlew 2-3, 1-4
- 561 Whimbrel 1-4
- 564 Northern Phalarope 1-3
- 565 Wilson's Phalarope 1-4
- 566 American Avocet 1-4

- 567 Black-necked Stilt 3-4
- 569 Red-breasted Rail 1-6, 1-10
- 571 Clapper Rail 1-4, 2-5, 2-6, 1-7, 3-10,
1-12, 1-14
- 572 Virginian Rail 1-6, 1-10
- 574 Sora Rail 1-12
- 577 Corn Crake 1-8
- 578 Purple Gallinule 1-5, 1-7, 1-8
- 579 Florida Gallinule 1-5, 1-6, 1-9
- 580 American Coot 1-7, 1-9, 1-12
European Coot 1-12
- 581 The Limpkin 2-5, 1-7
- 582 Whooping Crane 1-2
- 583 Sand-hill Crane ³⁻²
~~2-2~~
- 585 American Flamingo 1-2
- 586 European Swan 1-3
- 594 Canada Goose 1-6
- 568 Mexican Jacana 1-5
- 599 Black-bellied Tree Duck 1-14
- 571a Louisiana Clapper Rail 1-14

- 601 Mallard 1-9, 1-10
 602 Black Mallard 1-9
 606 Widgeon 1-5
 608 Shoveller 1-10
 609 Blue-winged Teal 1-8, 1-9
 610 Cinnamon Teal 1-10
 611 English Teal 1-7
 613 Wood Duck 1-15
 617 Canvas-back 1-8
 618 Red-head ¹⁻⁸~~2-8~~, 1-14
 620 American Golden-eye 1-11
 627a American Eider 3-4
 631 Velvet Scoter 1-6
 634 Ruddy Duck 1-9, ¹⁻⁸~~1-8~~
 637 Red-breasted Sheldrake 1-6
 639 Frigate Pelican 1-1
 640 American White Pelican 1-2
 603a Mottled Duck 1-11
 604 Gadwall 1-8
 605 Pintail 1-9
 612 Green-winged Teal 1-10
 615 Lesser Scaup Duck 1-9
 632 White-winged Scoter 1-6

- 641 Brown Pelican 2-3
- 642 Common Cormorant 1-5
- 643 Double-crested Cormorant 1-5
- 643a Florida Cormorant 1-5
- 643c Farallone Cormorant 1-4
- 645 Brandt's Cormorant 1-4
- 646 Violet-green Cormorant 1-3
- 646a Baird's Cormorant 1-4
- 649 Anhinga 1-5
- 650 Gannet 1-1
- 652 Booby Gannet 1-2
- 656 Black Skimmer 5-4
- 658 Kittiwake Gull 1-3
- 663 Great Black-backed Gull 3-3
- 664 Western Gull 1-3
- 666 Herring Gull 1-3
- 666a American Herring Gull 12-3
- 644 Mexican Cormorant 1-4
- 651 Blue-faced Booby 1-1
- 653 Red-footed Booby 1-1
- 654 yellow-billed Tropic Bird 1-1

- 668 Californian Gull 1-3
669 Ringed-billed Gull 3-3
673 Laughing Gull 6-3
674 Franklin's Gull 11-3
679 Gull-billed Tern 1-2, 1-4
680 Caspian Tern 1-2, 1-3
681 Royal Tern 1-2, 1-3
683 Cabot's Tern 1-2
685 Forster's Tern 2-3
686 Common Tern 11-3
687 Arctic Tern 2-3
688 Roseate Tern 2-3
690 Least Tern 6-2, 1-3
691 Sooty Tern 1-2, 1-3
692 Bridled Tern 1-1
693 Black Tern 1-3
694 White-winged Black Tern 1-3

- 695 Noddy Tern 1-2
 698 Richardson's Jaeger 1-2
 699 Long-tailed Jaeger 1-2
 702 Yellow-nosed Albatross 1-1
 705 Fulmar Petrel 1-1
 711 Manx Shearwater 1-1
 712 Dusky Shearwater 1-1
 721 Stormy Petrel 1-1
 723 Leach's Petrel 13-1
 724 Black Petrel 1-1
 725 Ashy Petrel 1-1
 729 Western Grebe 1-4
 732 Horned Grebe 1-9
 733 Eared Grebe 1-4
 733a American Eared Grebe 1-4, ²⁻⁵ 1-5, 1-6
 734 St. Domingo Grebe 1-6
 735 Thick-billed Grebe 1-5, 1-6, 1-7, 1-9
 695 x Ridgway's Noddy Tern 2-1
 713 Black-vented Shearwater 1-1
 720 Least Petrel 1-1
 720 x Sooty Petrel 1-1
 723 x Guadalupe Petrel 1-1
 726 Fork-tailed Petrel 1-1
 - White-faced Petrel 1-1
 731 Galapagos Grebe 1-4

- 736 Loon 2-2
 738 Black-throated Diver 1-2
 740 Red-throated Diver 1-2
 742 Razor-billed Auk 17-1
 743 Common Puffin 4-1
 745 Tufted Puffin 1-1
 751 Cassin's Auk 1-1
 752 Dovekie 1-1
 760 Black Guillemot 5-2
 761 Pigeon Guillemot 1-2
 763 Common Guillemot 27-1
 763a California Guillemot 59-1
 764 Thick-billed Guillemot 1-1
 764a Brunnich's Guillemot 2-1

757 Xantus' Murrelet 2-2

759 Ancient Murrelet 1-1, 1-2

ERRATA.

- Page 7 No. 114 Prairie Warbler
should read
114 Prairie Warbler
- Page 8 No. 123 Yellow-breasted Chat 1-2,
32-3, 98-4, 2-5
should read
123 Yellow breasted Chat 1-2, 32-3,
99-4, 2-5
- Page 10 European Tree Sparrow 1-3,
2-43, -5
should read
European Tree Sparrow 1-3, 2-4, 3-5
- Page 13 After 242 Insert
242a Arizona Cardinal 1-3
- Page 14 No. 254 Black-throated Bunting
4-3, 8-4
should read
254 Black-throated Bunting 1-3,
9-4, 4-5
- Page 14 No. 263 Meadow Lark 1-2, 1-3,
10-4, 7-5, 1-6
should read
263 Meadow Lark 1-2, 1-3, 10-4,
7-5, 1-7
- Page 18 No. 316 Black Pewee
should read
317 Black Pewee
- Page 21 No. 350 Groove-billed Crotophaga
should read
Groove-billed Crotophaga

laid with blotches and specks of light chestnut and on two eggs a very few spots of a darker brown or umber. All more or less inclined to form wreathes at larger end. Sizes: 73x57; 70x56; 72x56; 69x54; 72x56. Type of markings is very similar to some sets of Black and White Warbler but eggs are smaller and more pointed than that species. The set is now in the fine collection of Mr. W. A. Davidson of Detroit, Mich. I might also mention the finding of nests of Hooded and Cerulean Warbler the same day. The former is becoming quite common here.

ERNEST H. SHORT,
Albion, N. Y.

Queries Answered.

In answer to *Patronus Avium* who asks the questions in your September number would say:

1st. Birds have but a single eyelid, as with most mammals, but they are provided with a nictating membrane beneath the regular eyelid. Many species have two membranes making three eyelids if you wish to call them so.

2d. The wishbone (clavicles joined) is the better form of bony framework to get a good wing action from the use of the pectoral muscles.

3d. All the Phalaropes fly, run and swim with ease and perfect grace. There are others, but none better adapted than these in America.

4th. The Great Crested Flycatcher and Blue Grosbeak place cast-off snake skins in their nests; the former in about four instances in five; the latter not as often. Other birds have this peculiarity but not regularly.

5th. Do as you like; but if you adopt a style follow it exactly and give the Roman pronunciation: æ as i; i as e; e as a; a as ah; v as w, etc. Better to adopt the English.

6th. The Wilson's Phalarope (female)

is in my opinion the handsomest bird in America (not gaudy). It combines perfection in coloration and blending, and as well, necessary to beauty, perfect symmetry and grace in every movement. The Blue Jay is the most intelligent bird, or perhaps the Canada Jay, or else the Black-billed Magpie or Crow. One of these four and I prefer to name the Jay.

7th. A matter of opinion with us no need of discussion.

8th. Albinism to any extent is a variation and hence an abnormality, but it is not a disease, for loss of pigment in shell or feather may be in evidence and the bird remain in perfect health.

9th. Have repeatedly observed parent-birds cover their eggs or young with spreading wings during a rain storm.

10th. Have never seen Goat-suckers transport their eggs, but believe that they do do it in some manner. If Audubon says so, it is so. In-so-far as I have followed the great observer he is always correct; certainly truthful.

TITUS ANDRONICUS ORNIS MATEENUS,
Oozamalak.

A Collecting Ladle.

On the 11th of Junn, '92, I had the good fortune to find a Yellow-billed Cuckoo's nest, but the nest was situated on a branch limb of a willow tree, which limb of course would split off very easily, so I contrived an apparatus, which consisted of a baking powder box cover tacked on to the end of an 8 ft. stick, thus making a crude ladle, then climbed the tree, reached out with my primitive ladle, and in a few seconds had a set of five slightly incubated eggs. This idea may be useful to collectors.

E. H. FLETCHER,
Brockton, Mass.

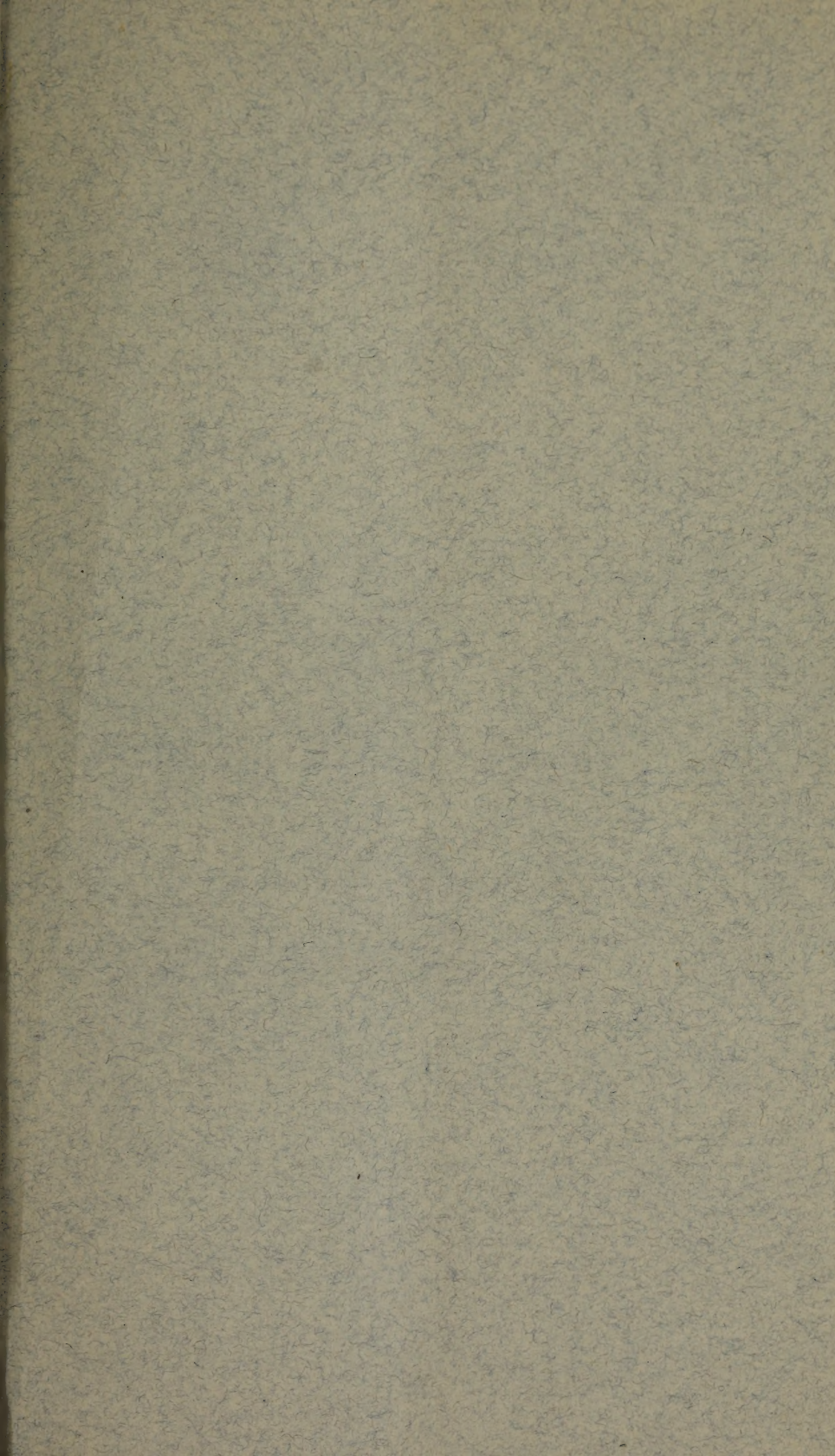
Ripans Tabules cure dyspepsia.

Ripans Tabules cure nausea.

List of Sets of Eggs of Warblers in the Collection of J. P. Norris, Jr.

Oct. 1, 1897.

A. O. U. NO.	NAME.	SETS.	NO. OF SETS.	NO. OF EGGS.
636	Black and White Warbler, 2-4, 13 5.....		15	73
637	Prothonotary Warbler, 3-4, 21-5, 34-6, 15-7, 2-8.....		75	442
638	Swainson's Warbler, 8-3, 2-4, 1-5.....		11	37
639	Worm-eating Warbler, 3-3, 29-4, 51-5, 6-6.....		89	416
641	Blue-winged Warbler, 5-3, 12-4, 16-5, 1-6.....		34	149
642	Golden-winged Warbler, 4-4, 6-5.....		10	46
643	Lucy's Warbler, 1-2, 4-3.....		5	14
645	Nashville Warbler, 1-3, 5-4, 1-5.....		7	28
645a	Calaveras Warbler, 1-5.....		1	5
646a	Lutescent Warbler, 1-3, 2-4, 1-5.....		4	16
648	Parula Warbler, 1-4, 2-5.....		3	14
648a	Northern Parula Warbler, 2-2, 9-3, 21-4, 12-5, 3-7.....		47	196
652	Yellow Warbler, 16-3, 50 4, 28-5.....		94	388
654	Black-throated Blue Warbler, 1-3.....		1	3
654a	Cairns's Warbler, 4-3, 3-4.....		7	24
655	Myrtle Warbler, 3 3, 2-4, 2-5.....		7	27
656	Audubon's Warbler, 1 3, 2-4, 1-5.....		4	16
657	Magnolia Warbler, 3-3, 58-4, 1-5.....		62	246
658	Cerulean Warbler, 1-4, 1-5.....		2	9
659	Chestnut-sided Warbler, 4-3, 31-4, 2-5.....		37	146
660	Bay-breasted Warbler, 1-6.....		1	6
661	Black-poll Warbler, 1-3, 6-4, 12-5.....		19	87
662	Blackburnian Warbler, 3 4, 1-5.....		4	17
663	Yellow-throated Warbler, 1-3, 5-4, 1-5.....		7	28
664	Grace's Warbler, 1-3.....		1	3
665	Black-throated Gray Warbler, 3-4.....		3	12
666	Golden-cheeked Warbler, 2-3, 15 4.....		17	66
667	Black-throated Green Warbler, 11-4.....		11	44
671	Pine Warbler, 18-4, 2-5.....		20	82
672a	Yellow Palm Warbler, 1-4, 1-5.....		2	9
673	Prairie Warbler, 9 3, 39-4, 4-5.....		52	203
674	Oven-bird, 1-2, 14-3, 37-4, 52 5, 1-6.....		105	458
675	Water-Thrush, 2 4.....		2	8
676	Louisiana Water-Thrush, 2 4, 12-5, 1-6.....		15	74
677	Kentucky Warbler, 5-2, 18-3, 83 4, 103-5, 1-6.....		210	917
679	Mourning Warbler, 1-4.....		1	4
680	Macgillivray's Warbler, 1-3, 3-4, 1-5.....		5	20
681	Maryland Yellow Throat, 1-2, 5-3, 35-4, 5-5.....		46	182
681a	Western Yellow Throat, 7-4, 1-5.....		8	33
681b	Florida Yellow Throat, 2-3.....		2	6
682	Belding's Yellow Throat, 1-4.....		1	4
682.1	Mirador Yellow Throat, 1-4.....		1	4
683	Yellow-breasted Chat, 1-2, 35-3, 101-4, 2-5.....		139	521
683a	Long-tailed Chat, 1-3, 6-4, 1-5.....		8	32
684	Hooded Warbler, 6-3, 18-4.....		24	90
685	Wilson's Warbler, 3-5, 4-6.....		7	39
685a	Pileolated Warbler, 1-3, 7-4, 3-5.....		11	46
686	Canadian Warbler, 1-5.....		1	5
687	American Redstart, 6-3, 26-4, 1-5.....		33	127
688	Painted Redstart, 1-3 1-4.....		2	7
690	Red-faced Warbler, 1-4.....		1	4
Totals.....			1274	5433



Gaylord Bros.
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Syracuse, N. Y.
PAT JAN. 21, 1908

